

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : K. C. Indukumar et al. Art Unit : Unknown
Serial No. : Examiner : Unknown
Filed : Herewith
Title : A DATA PROCESSING APPARATUS AND METHOD FOR D=2 OPTICAL
CHANNELS

BOX PATENT APPLICATION

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the claims:

Amend claims 4, 5, 6, and 15 as follows:

4. (Amended) A data processing apparatus as claimed in claim 2, wherein the set of data correction rules is selectively applied at a plurality of data-bit locations associated with said portion.

5. (Amended) A data processing apparatus as claimed in claim 2, wherein the data corrections are effected in a manner which takes account of amplitude variations in the signal representation of the recorded data and the detected data.

6. (Amended) A data processing apparatus as claimed in claim 2, wherein the data corrections are effected additionally in dependence upon the combination of bit-polarities of the detected data distribution.

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Samantha Bell
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Typed or Printed Name of Person Signing Certificate

15. (Amended) A method as claimed in claim 12, further comprising identifying error events and devising correction rules to correct errors at predetermined data-bit locations associated with the detected data distribution.

Add claims 19-30:

--19. A data processing apparatus as claimed in claim 3, wherein the set of data correction rules is selectively applied at a plurality of data-bit locations associated with said portion.

20. A data processing apparatus as claimed in claim 3, wherein the data corrections are effected in a manner which takes account of amplitude variations in the signal representation of the recorded data and the detected data.

21. A data processing apparatus as claimed in claim 4, wherein the data corrections are effected in a manner which takes account of amplitude variations in the signal representation of the recorded data and the detected data.

22. A data processing apparatus as claimed in claim 19, wherein the data corrections are effected in a manner which takes account of amplitude variations in the signal representation of the recorded data and the detected data.

23. A data processing apparatus as claimed in claim 3, wherein the data corrections are effected additionally in dependence upon the combination of bit-polarities of the detected data distribution.

24. A data processing apparatus as claimed in claim 4, wherein the data corrections are effected additionally in dependence upon the combination of bit-polarities of the detected data distribution.

25. A data processing apparatus as claimed in claim 5, wherein the data corrections are effected additionally in dependence upon the combination of bit-polarities of the detected data distribution.

26. A data processing apparatus as claimed in claim 6, wherein the data corrections are effected additionally in dependence upon the combination of bit-polarities of the detected data distribution.

27. A data processing apparatus as claimed in claim 19, wherein the data corrections are effected additionally in dependence upon the combination of bit-polarities of the detected data distribution.

28. A data processing apparatus as claimed in claim 20, wherein the data corrections are effected additionally in dependence upon the combination of bit-polarities of the detected data distribution.

29. A data processing apparatus as claimed in claim 21, wherein the data corrections are effected additionally in dependence upon the combination of bit-polarities of the detected data distribution.

30. A data processing apparatus as claimed in claim 22, wherein the data corrections are effected additionally in dependence upon the combination of bit-polarities of the detected data distribution.--

Version with markings to show changes made

In the claims:

Claims 4, 5, 6, and 15 have been amended as follows:

4. (Amended) A data processing apparatus as claimed in claim 2 [or 3], wherein the set of data correction rules is selectively applied at a plurality of data-bit locations associated with said portion.

5. (Amended) A data processing apparatus as claimed in claim 2 [any of claims 2 to 4], wherein the data corrections are effected in a manner which takes account of amplitude variations in the signal representation of the recorded data and the detected data.

6. (Amended) A data processing apparatus as claimed in claim 2 [any of claims 2 to 4], wherein the data corrections are effected additionally in dependence upon the combination of bit-polarities of the detected data distribution.

15. (Amended) A method as claimed in claim 12 [any of claims 12 to 14], further comprising identifying error events and devising correction rules to correct errors at predetermined data-bit locations associated with the detected data distribution.

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REMARKS

Applicants have amended claims 4-6 and 15, and have added claims 19-30. No new matter has been introduced. More specifically, new claim 19 is a subset of original claim 4; new claims 20-22 are each subsets of original claim 5; and new claims 23-30 are each subsets of original claim 6.

Attached is a marked-up version of the changes being made by the current amendment.

Applicants request that all claims be examined. Please apply any charges to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

8-28-01

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